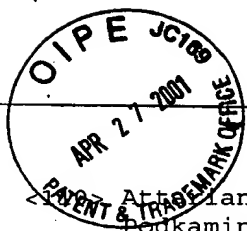


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SEQUENCE LISTING

<100> Atkinson, Gwynne  
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<120> Fusobacterium Nucleic Acids, Plasmids and Vectors

<130> 02307E-099810US

<140> US 09/747,385

<141> 2000-12-22

<150> US 60/173,168

<151> 1999-12-27

<160> 21

<170> PatentIn Ver. 2.1

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<223> RepA

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His Ile Thr Asn Ile Thr Asn Lys Lys Ile Glu Thr Ile Phe Leu Phe  
35 40 45

Glu Lys Phe Ile Asn Asp Leu Asp Asn Asn Thr Leu Thr Ile Arg Val  
50 55 60

Thr Lys Asp Ser Leu Tyr Phe Phe Asn Ile Ala Asn Ser Tyr Leu Arg  
65 70 75 80

Phe Leu Phe Ser Asp Val Arg Lys Leu Ser Gly Lys Tyr Ser Lys Leu  
85 90 95

Leu Val Pro Tyr Leu Met Glu Phe Ser His Lys Lys Glu Ala Glu Phe  
100 105 110

Glu Lys Glu Arg Phe Phe Asn Ile Leu Glu Val Glu Glu Ser Tyr Arg  
115 120 125

Asn Asn Leu Ser Asp Phe Asn Lys Arg Ile Leu Lys Pro Ala Val Glu  
130 135 140

Glu Leu Lys Thr Leu Phe Glu Asn Leu Lys Val Glu Arg Leu Lys Asn  
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Gly Arg Val Ile Lys Gly Tyr Lys Phe Ser Trp Thr Asn Asp Phe Asn  
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 Ser Asp Pro Lys Leu Leu Glu Ile Ile Phe Asn Ala Ser Gln Ser Lys  
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22

<210> 4

<211> 132

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: six copies of  
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 replication of plasmid pFN1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: repA homolog  
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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: plasmid pFN1

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<210> 8  
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repeat of iteron

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repeat of iteron

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sequence of plasmid pFN3

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<212> DNA

<213> Artificial Sequence

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